

Mark XI Disc Pack

Description

The Memorex Mark XI is a high performance, 200 megabyte capacity disc pack. It is compatible with the Memorex 3675 and IBM 3330 Model 11 disc drives and is interchangeable with the IBM 3336 Model 11 disc pack.

The Mark XI contains 12 discs and its own electronic track controllers (servo tracks) which the drive utilizes to properly position the ultra-sensitive read/write heads.

Each pack is pre-initialized with home address and record zeros assigned, thus saving programming and computer time.

The Mark XI is backed by full factory and field engineering support. And it is available through a wide variety of financial programs.

Mark XI—The Premium Double-Capacity Pack

Your system's data integrity is unsurpassed because Mark XI's discs are unsurpassed in excellence. Memorex surface finishes its disc substrates to less than one microinch—the smoothest in the industry. We then combine these substrates with an oriented oxide coating that is "armored" for protection against head-loading strains. This coating also optimizes signal output, thus optimizing total data integrity.

Performance is proven because of the testing that Memorex does. The testimony of disc excellence is confirmed at the testing level. First, during single disc testing, each recording surface is tested at one-half the normal head flying altitude and then 200% read-write tested. Finally, assembled packs undergo a stringent final test on marginalized drives. These tests assure maximum quality in disc recording characteristics and unmatched performance at the pack level.

You can rely on your important data being there because Mark XI is built for a long dependable life. Memorex engineering excellence has resulted in a number of Mark XI features that enhance the pack's operating performance. Stainless steel locking assembly and top cover insert protect against rust and corrosion. Chip and flake-resistant nylon face gear protect the locking assembly. The pack is also protected by a durable coverset made of Lexan*. Additionally, dynamic, dual-plane balancing insures top performance at high-speed operation.

From coverset to double-density discs, Mark XI is the highest quality pack for your system.

*A registered trademark of General Electric Company

MEMOREX



Mark XI Disc Pack

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Mark XI Disc Pack Technical Data

Compatibility

The Mark XI is designed for use on the Memorex 3675, the IBM 3330 Model 11 and other compatible disc drives. It will also perform on any disc drive designed to utilize an IBM 3336 Model 11 type pack.

The Mark XI will meet or exceed the specifications detailed in IBM Document GA26-1615.

Physical Dimensions

(Including coverset)

Height	7.06 inches
Diameter	14.9 inches
Weight	21.0 pounds
Shipping weight	26.5 pounds

Disc Information

Total discs per pack	12 each
Bottom protective disc	1 each
Top protective disc	1 each
Recording discs	10 each
Disc thickness	0.075 inches
Nominal coating	
thickness i.d. to o.d.	35-50 μ inches
Surface smoothness	less than 1.0 μ inch A.A.

Recording Surfaces

Data surfaces per pack	19 each
Servo surfaces per pack	1 each

Maximum Data Storage

Per pack	200,036,000 Bytes
Per cylinder	247,570 Bytes (19 tracks)

Servo Tracks Pre-recorded

Initialization Home addresses and track descriptors (RO) are assigned prior to shipment

Alternate Tracks 7 per surface
133 per pack

Data Tracks 808 per surface
15,352 per pack

Environmental Conditions

Temperature range	60-150°F
Relative humidity	8-80%
Maximum wet bulb	78°F

Before the Mark XI is placed into operation, it shall be conditioned in the computer room environment for a minimum of two hours.

Memorex Corporation

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